

## **Contents of *Agriculture, Ecosystems and Environment*, Volume 39**

**Vol. 39 Nos. 1–2**

**31 March 1992**

**Special Issue: Sustainable agriculture**

<b>Preface</b> .....	vii
Sustainable agricultural development in Latin America: exploring the possibilities	
M.A. Altieri (Albany, CA, USA) .....	1
Agroecological foundations of alternative agriculture in California	
M.A. Altieri (Albany, CA, USA) .....	23
Sustainable and productive agricultural development in China	
D. Wen, Y. Tang, X. Zheng and Y. He (Shenyang, People's Republic of China) .....	55
Organic farming in Canada	
S.B. Hill and R.J. MacRae (Ste-Anne de Bellevue, Que., Canada) .....	71
The quest for sustainable agriculture: the current position in Australia	
N. Srisankarajah and D. Wright (Richmond N.S.W., Australia) .....	85
Research and extension efforts for improving agricultural sustainability in the north central and northeastern United States	
M. Liebman (Orono ME, USA) .....	101

**Vol 39 Nos. 3–4**

**April 1992**

Agroecosystem management effects on soil carbon and nitrogen	
C.W. Wood and J.H. Edwards (Auburn, AL, USA) .....	123
The effects of vinasse on the growth, biomass and primary productivity in pea ( <i>Pisum sativum</i> ) and sunflower ( <i>Helianthus annuus</i> )	
Ö.F. Algur and A. Kadioğlu (Erzurum, Turkey) .....	139
Characteristics of the crop-paulownia system in China	
Q. Wang and J.F. Shogren (Ames, IA, USA) .....	145
Land use patterns and types of common vole ( <i>Microtus arvalis</i> ) population kinetics	
P. Delattre, P. Giraudoux, J.-P. Damange, J.-P. Quémé (Montpellier, France), J. Baudry (Lieury, France), P. Musard (Beaune, France), M. Toussaint (Niort, France), D. Truchetet (Le Havre, France), P. Stahl (Le Perray en Yvelines, France), M. Lazarine Poule and M. Artois (Maizéville, France) .....	153
Determining optimal clearing treatments for the alien invasive shrub <i>Acacia saligna</i> in the southwestern cape, South Africa	
I.A.W. Macdonald (Rondebosch, South Africa) and C. Wissel (Marchburg, Germany) .....	169
Crop residue effects on nitrogen yield in water and sediment runoff from two tillage systems	
S. Mostaghimi, T.M. Younos and U.S. Tim (Blacksburg, VA, USA) .....	187
Fertilizer nitrogen and stover removal effects on sorghum yields and nutrient uptake and partitioning	
J.M. Powell (Niamey, Niger) and F.M. Hons (College Station, TX, USA) .....	197
Effects of leaf removal and intercropping on the incidence and severity of black Sigatoka	

disease at the establishment phase of plantains	
L.C. Emebiri and J.C. Obiefuna (Owerri, Nigeria).....	213
Potential contribution of ploughed grassland to nitrate leaching	
A.P. Whitmore, N.J. Bradbury (Harpenden, UK) and P.A. Johnson (Boston, UK) .....	221
Weed benefits and costs in rice and wheat production in India	
G.C. Aggarwal (Ludhiana, India), D. Pimentel (Ithaca, NY, USA) and M. Giampietro (Rome, Italy) .....	235
Genotypic stability in <i>Eucalyptus camaldulensis</i> for some growth and morphological characteristics	
G.O. Otegbeye (Zaria, Nigeria).....	245
Long term effects of trichlorfon on the cyanobacterium <i>Anabaena</i> PCC 7119	
E. Marco and M.I. Orus (Madrid, Spain) .....	257
Denitrification and N <sub>2</sub> O production in pasture soil: the influence of nitrogen supply and moisture	
P. Colbourn (Aberystwyth, UK) .....	267
<b>Book Reviews</b>	
Naturally Occurring Pest Bioregulators.....	279
Pesticide Toxicology .....	280
Insecticides from Plants.....	284
Effect of climate on Agriculture.....	286
<b>Author Index</b> .....	289

